

GILL RANCH GAS FIELD RULES

Date:
3/5/2007

Area(s) N/A	Zone(s)/Pool(s) Eocene, Cretaceous
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CASING PROGRAM

Casing String	Cementing Depth		Annular Cement Fill (Marker or Zone + ____')
	Marker or Zone	Remarks	
Conductor			
Surface	10% of TD	Competent Bed	Surface
Production	Through zone		500' above Eocene zone

GEOLOGIC DATA

Reference: pages 186-187 in DOGGR publication TR11. Volume I, California Oil Fields.

BLOWOUT PREVENTION EQUIPMENT PROGRAM (Referenced from M07)

Operation	Surface Pressure Category	DOGGR Class	Additional Requirements
Drilling	Medium	IIIA2M	
Completion	Medium	II2M	Hydraulic controls
Perforating	Medium	Lubricator or packoff	
Additional Comments:			

BASE OF FRESH WATERS

Marker:	Depth: 650' to 950' below sea level	Comments: See Division generated base of fresh water map for depth pick.
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GENERAL COMMENTS

In the Gill Ranch Gas field there is significant land subsidence caused from water production for agricultural uses. The well casing is subject to compression and failure from the water producing depth to the surface. The well casing should be unlanded to relieve the stress every 5 years.

Field rules apply to development wells only. All operations are subject to California Code of Regulations., Title 14, Division 2, Chapter 4.

_____, State Oil and Gas Supervisor

By Original Signed by T.S. Boardman, District Deputy
(Signature) (Title)